

AMENDMENTS TO THE CLAIMS:

This listing of claims replaces all prior versions and listings of the claims in the application.

Claims 1 to 15. (Canceled)

Claim 16. (Currently amended) A method of producing an Arabidopsis, Brassica or tobacco plant tolerant to high light stress conditions, comprising the steps of

(a) providing plant cells from an Arabidopsis, Brassica or tobacco plant with a chimeric gene to create transgenic plant cells, said chimeric gene comprising in sequence the following operably linked DNA fragments:

- (i) a plant-expressible promoter;
- (ii) a DNA region, which when transcribed yields a ParG inhibitory RNA molecule, said ParG inhibitory RNA molecule comprising a sense nucleotide sequence of at least 163 consecutive nucleotides of a coding region ~~of a nucleotide sequence encoding a protein comprising the amino acid sequence of SEQ ID No. 1 or~~ the nucleotide sequence of SEQ ID No. 3 ~~from the nucleotide at position 973 to the nucleotide at position 1135~~ and said ParG inhibitory RNA molecule further comprising an antisense nucleotide sequence of at least 163 consecutive nucleotides of said coding region, wherein said sense and antisense nucleotide sequence are capable of forming a double stranded RNA region comprising said at least 163 consecutive nucleotides;
- (iii) a 3'end region involved in transcription termination and polyadenylation;

(b) regenerating a population of transgenic plant lines from said transgenic plant cell wherein said chimeric gene is transcribed to yield said ParG inhibitory RNA molecule; and

(c) identifying a plant line within said population of transgenic plant lines, which is tolerant to high light stress conditions as compared to an Arabidopsis, Brassica, or tobacco plant that does not comprise said chimeric gene.

Claims 17-24. (Canceled)